ABSTRACT OF THE DISCLOSURE

This invention relates to the field of muscular dystrophy and methods for its treatment in humans. This invention also concerns art-recognized animal models of Duchenne muscular dystrophy in dogs (GRMD) and mice (*mdx*). Another aspect concerns chimeric mutational vectors capable of inducing reversion of genetic mutations (i.e., gene repair) causing genetic disease by direct injection into affected tissue. Thus, more generally, the invention envisions direct injection of chimeric mutational vectors into affected tissues to effect gene repair therein.